

Vermont Career and Technical Education

Approved Industry Recognized Credentials

August 7, 2013



The Agency of Education does not discriminate on the basis of race, color, national origin, religion, sex, age, disability, or sexual orientation in employment or in the provision of services. Career and Technical Centers must ensure that all of their programs – those that are traditionally male, those that are traditionally female, and those that are gender balanced – offer appropriate industry recognized credentials. Career and Technical Centers must ensure that all students in all programs, regardless of gender, are afforded equal opportunity and support to obtain industry recognized credentials. Technical centers should track students' achievement of industry recognized credentials to ensure that girls and boys are equally successful in obtaining credentials in each program offered by the center.

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Agriculture, Food & Natural Resources

American Welding Society Certificates

American Welding Society <http://www.aws.org>

Other certificates not listed below include: Pipe & Stick

American Welding Society-Gas AWS-G

American Welding Society -QC-10 AWS-QC

American Welding Society -Structural Steel AWS-SS

American Welding Society -TIG AWS-TIG

Program(s): Natural Resources 2	03.0104
Forestry/Natural Resources	03.0501
Agricultural Mechanics	01.0201

Game of Logging Chainsaw Safety

Northeast Woodland Training Inc. <http://www.woodlandtraining.com/>

Students can participate in the Game of Logging (GOL) for levels 1-4 in chainsaw safety, operation, and maintenance. This credential will provide the first of three requirements for the Logging Education to Advance Professionalism (see below), a program administered by the Northeast Forest Stewardship Project. The remaining two requirements, ecology and professionalism, could be obtained by attending the appropriate workshops administered by LEAP (see below) during their final year at the Tech Center.

Game of Logging Chainsaw Safety Training Level 1 GOLCST1

Personal protective equipment, notching, bore cutting, five point felling plan, felling practice.

Game of Logging Chainsaw Safety Training Level 2 GOLCST2

Routine saw maintenance, carburetor tune-up, chain sharpening, dealing with spring poles, and more felling practice.

Game of Logging Chainsaw Safety Training Level 3 GOLCST3

Estimating side and back lean, six point limbing, bucking and limbing cuts, felling difficult trees.

Game of Logging Chainsaw Safety Training Level 4 GOLCST4

Job planning with flagging, hot vs. cold logging, felling exercises on difficult trees.

Program(s): Environmental Technology	15.0507
Forestry/Natural Resources	03.0501
Horticulture	01.0601
Natural Resources 2	03.0104
Diversified Agriculture	01.0302

Logging Education to Advance Professionalism LEAP Northeast Forest Stewardship

Program www.vermontloggers.org

See Game of Logging described above for certification information.

Program(s): Forestry/Natural Resources	03.0501
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Other Certifications

AGC First Aid/CPR/AED AGC- FA/CPR/AED Association of General Contractors

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

Program(s): Agricultural Mechanics	01.0201
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First Aid/CPR/AED ARC-FA/CPR/AED American Red Cross

<https://www.instructorscorner.org/RedCross/Index.aspx>

Program(s): Horticulture	01.0601
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Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Diversified Agriculture	01.0302
Horticulture	01.0601

Commercial Drivers License CDL Vermont Department of Motor Vehicles

<http://dmv.vermont.gov/licenses/commercial/cdl>

The CDL license is required for driving certain kinds of commercial vehicles. Skill and vision testing is a required part of the process to gain this license.

Program(s): Forestry/Natural Resources	03.0501
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National Safe Tractor & Machinery Operation NSTMO

US Department of Labor <http://www.nstmop.psu.edu/>

Requires a minimum of 24 hours of classroom instruction and field trips. Other requirements include:

1. You must be at least 14 years of age on the test date to be allowed to take the Skills and Driving Tests. If you are under the age of 14, you are permitted to attend educational classes and take the Written Test but are not allowed to operate tractors or other equipment if practice sessions are held.
2. The Written, Skills, and Driving Tests must be passed with a minimum score of 70% before you can be awarded a Certificate of Training. The locations where these tests are given hereafter are referenced as Test Stations.
3. The Written Test will consist of a combination of 50 multiple-choice and true/false questions from a question bank based on NSTMOP Task Sheets that cover the MCCA. The Written Test must be passed with a 70% or better before you can move to the Skills Test.
4. You must pass first the Written Test and then the Skills Test before you can take the Driving Test.

Program(s): Diversified Agriculture	01.0302
Forestry/Natural Resources	03.0501

Horticulture	01.0601
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Equipment & Engine Service EETC Equipment & Engine Training Council

http://www.eetc.org/certification/how_to_become_certified.html

EETC (formerly OPEESA) administers the training and certification.

Program(s): Agricultural Mechanics	01.0201
Forestry/Natural Resources	03.0501

Pesticide Applicator Cert.-Worker Protection Std. PA-WP Environmental Protection

Agency <http://www.epa.gov/oppfead1/safety/applicators/ctprogs.htm>

The pesticide applicator certification and training program provides pesticide applicators with the knowledge and ability to use pesticides safely and effectively. Pesticide applicators are trained by state Cooperative Extension Service pesticide applicator training programs and are certified by pesticide State Lead Agencies.

Program(s): Diversified Agriculture	01.0302
Horticulture	01.0601

ServSafe Level 1 Certificate ServSafe-L1 <http://www.nraef.org/> (see page 15)

Wildlands Fire Training Wild Vermont Fire Service Training Council

<http://www.dps.state.vt.us/fire/vfstc/> Wild((see page 22)

Program(s): Forestry/Natural Resources	03.0501
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Architecture & Construction

ASE, Automotive Service Excellence (formerly NATEF)

<http://www.asestudentcertification.com/>

Medium/Heavy Truck:

- **ASE Certification Diesel Engines ASE-D**
- **ASE Certification Brakes ASE-TB**
- **ASE Certification Suspension & Steering ASE-TSS**
- **ASE Certification Electrical/Electronic Systems ASE-TE**
- **ASE Certification Engine Performance ASE-TEP**

Program(s): Heavy Equipment	49.0202
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HVAC Excellence

<http://www.hvacexcellence.org/Assessments.aspx>

Heating, Electrical, Air Conditioning Technology, H.E.A.T HEAT

Secondary students taking the H.E.A.T. exam who successfully pass the 100 question tested are awarded a certificate of achievement. In order to accommodate geographic differences two versions are available. Both versions cover basic electricity, the vapor compression cycle and either gas heat or oil heat.

Heating, Electrical, Air Conditioning Technology, H.E.A.T Plus HEAT+

A comprehensive end of program assessment containing the H.E.A.T. competencies plus computer literacy, safety, related math, employability skills, work ethics and an performance component (hands-on).

Program(s): Heating, Ventilation & AC	15.0501
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National Center for Construction Education & Research

www.nccer.org

The certificate must be issued by the NCCER in order to be valid.

NCCER-Carpentry NCCER-C

Program(s): Carpentry	46.0201
Heating, Ventilation & AC	15.0501

NCCER-Construction Core NCCER-CC

Program(s): Carpentry	46.0201
Heating, Ventilation & AC	15.0501

NCCER-HVAC NCCER-H

Program(s): Heating, Ventilation & AC	15.0501
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Vermont Department of Labor and Vermont Technical College

<http://www.dps.state.vt.us/fire/licensing/electructcoverltr2.htm>

Electrical Apprenticeship 1 Test App-E

Program(s): Elec./Electronics Occupations	46.0302
Electrical Apprenticeship 1 Test App-P	
Program(s): Heating Ventilation & AC	15.0501

Other Certifications

AGC VT Building Trades Competency Certification AGC

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

AGC provides evaluation of the Building Trades program and the student competencies for all three of these areas:

- Basic Construction Skills
- Carpentry Level 1
- Carpentry Level 2

Program(s): Carpentry	46.0201
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AutoCAD AutoCAD Autodesk

http://images.autodesk.com/adsk/files/autocad_2009_exam_guide_49v2.pdf

This AutoCAD certification measures students' ability to design in two dimensions using AutoCAD.

Program(s): Drafting & Design	15.1301
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Bronze Oilheat Technician Certification NORA-BOTC National Oilheat Research Alliance/NE Fuel Inst. <http://www.nefi.com/training/>

The New England Fuel Institute delivers the curriculum for a 160 hr. minimum training including lab work. 100 question exam. The Bronze certificate plus 3 years of field experience qualifies for the NORA Silver certificate.

Program(s): Heating, Ventilation & AC	15.0501
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Certified SolidWorks Associate CSWA Dessault Systemes SolidWorks Corp.

http://www.solidworks.com/sw/support/796_ENU_HTML.htm?pid=446

3-D Mechanical CAD exam is an on-line written exam that is timed to be a three-hour assessment. Students must earn a minimum of 70% for certification.

Program(s): Drafting & Design	15.1301
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Commercial Drivers License CDL Vermont Department of Motor Vehicles

<http://dmv.vermont.gov/licenses/commercial/cdl>

The CDL license is required for driving certain kinds of commercial vehicles. Skill and vision testing is a required part of the process to gain this license.

Program(s): Heavy Equipment	49.0202
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EPA Act 608 Safe Refrigerant Handling Cert. EPA608-SRHC ESCO Institute, The

<http://www.escoinst.com/Training/Epa608.aspx>

Instruction and exam. Federal regulations require that persons who work with regulated refrigerants be certified. HVAC excellence is an affiliate of the ESCO group. ESCO grades exam and issues cards

Program(s): Heating, Ventilation & AC	15.0501
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Heartsaver CPR AHA-HSCPR

American Heart Association <http://www.americanheart.org/presenter.jhtml?identifier=3040460>

The American Heart Association offers a comprehensive portfolio of both credentialed courses and awareness programs to train middle and high school students. CPR may be required of licensed electricians. (see also page 15 for American Red Cross)

Program(s): Elec./Electronics Occupations	46.0302
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Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Carpentry	46.0201
Construction Site Management	46.0412
Elec./Electronics Occupations	46.0302

OSHA 30 Hour Training Course OSHA-30 OSHA.COM www.osha.com

Orientation to occupational safety and health for workers covered by OSHA 29 CFR 1926.

OSHA.COM is a privately owned website that is not affiliated with any government agency.

Program(s): Construction Site Management	46.0412
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S/P2 Construction S/P2-C Coordinating Committee for Auto Repair

<http://www.sp2.org/site/faq-sp2-construction>

Online safety training program with self-guided modules and tests. *See also OSHA-10 (above)*

Program(s): Carpentry	46.0201
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Vermont Flagging Certification VT Flag American Traffic Safety Services Association

<http://www.atssa.com/TrainingCertification/CertificationRecertification.aspx>

Four-hour course on flagging and traffic control.

Program(s): Heavy Equipment	49.0202
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Arts, A/V Technology & Communications

Adobe Certified Associate

Adobe Systems Incorporated (via Certiport) <http://www.adobe.com/education/instruction/ace/>

This certification is a credential that validates entry-level skills needed to plan, design, build, and maintain effective communications by using different forms of digital media. Developed and deployed by Certiport, each associate-level certification exam will correspond to a particular Adobe application used for digital communication. These are:

Adobe Certified Associate - Dreamweaver ACA-D

Web Communication using Adobe Dreamweaver CS3

Adobe Certified Associate - Flash ACA-F

Rich Media Communication using Adobe Flash CS3

Adobe Certified Associate - Photoshop ACA-P

Visual Communication using Adobe Photoshop CS3 Extended

Program(s): Animation & Web Design	10.0304
Communications Technology	09.0702
Design Visual Communication	50.0401
Printing	10.0301
Graphic Design	50.0409
Video Production	50.0602
Gaming, Animation & Web Design	50.0411

PrintEd (GAERF)

Graphic Arts Education and Research Foundation <http://www.gaerf.org/PrintED.aspx>

PrintEd, administered by the Graphic Arts Education and Research Foundation (GAERF®) is a national accreditation program, based on industry standards, for graphic communications courses of study at the secondary and post-secondary levels. It was created in response to the need for skilled entry-level workers in the printing industry. Graduates of the program bring to the workplace an equivalent of six-months on-the-job training. On-line certification assessments are offered in 3 of the 7 PrintEd competency areas including:

Intro to Graphic Comm-PrintEd PrEd-DFP

Animation & Web Design	10.0304
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Digital File Preparation-PrintEd PrEd-Int

Program(s): Animation & Web Design	10.0304
Printing	10.0301
Design Visual Communication	50.0401
Graphic Design	50.0409

Press Operations-PrintEd PrEd-PO

Program(s): Printing	10.0301
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Internet and Computing Core Certification (IC3)

Certiport Inc. <http://www.certiport.com>

Internet & Computing Core - Computing Fundamentals IC3-CF

Internet & Computing Core - Key Applications IC3-KA

Internet & Computing Core - Living Online IC3-LO

Program(s): Communications Technology	09.0702
Video Production	50.0602

WOW, Worldwide Organization of Webmasters

Worldwide Organization of Webmasters <http://www.webprofessionals.org/certification/>

Web Administrator Apprentice WOW-A

Certified Web Administrator Apprentice: Web Administrator Apprentices are aware of the fundamental concepts for the hardware and software infrastructure supporting Internet communications. The CWAA-apprentice possesses a basic understanding of servers, routers, security, network management, and systems maintenance.

Web Designer Apprentice WOW-DA

Certified Web Designer Apprentice: Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.

Web Designer Associate WOW-As

Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.

Web Developer Apprentice WOW-Dv

Certified Web Developer Apprentice: Web Developer Apprentices are familiar with the fundamentals of creating web site structure and interactivity. They are learning to use database tools and custom applications to prepare sites for dynamic presentation of content to the visitor.

Webmaster Apprentice WOW-M

Certified Apprentice Webmaster: WOW Certified Webmaster apprentices understand the basic breadth of topics that fall under Webmastering. Apprentice Webmasters know about the majority of subjects within the Associate Webmaster criteria, but with less depth into the individual topics.

Program(s): Animation & Web Design	10.0304
Communications Technology	09.0702
Printing	10.0301
Video Production	50.0602
Gaming, Animation & Web Design	50.0411

Other Certifications

Apple Certified Pro - Level One (for example, Final Cut Pro)

<http://training.apple.com/certification/proapps>

Certification in an application attests to basic operational knowledge of that application. If you believe you have the required knowledge, you may take the exam at an Apple Authorized Training Center (AATC) for a fee.

Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Design Visual Communication	50.0401
Gaming, Animation and Web Design	50.0411

Graphic Design Visual Arts Final Portfolio GDVAFP

Lyndon State College/Graphic Design/Digital Publishing Advisory Council

Offered by regional business experts of the program advisory council at the Center for Technology at Essex, this certifies the attainment of specific student skills and knowledge in the graphic design/digital publishing program. This is recognized by the region's visual arts business community as a valid and reliable method of verifying skill proficiency at an entry level for this career field. Additionally, the certificate is aligned with and regularly used as the mechanism to receive postsecondary credit at Lyndon State College.

Program(s): Animation & Web Design	10.0304
Graphic Design	50.0409
Printing	10.0301

Microsoft Office Specialist-PowerPoint MOS-PP Certiport and Microsoft

<http://www.certiport.com>

Program(s): Communications Technology	09.0702
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Mobile Electronics Certified Professional <http://www.mecp.com/home.asp>

Certified Fiber Optic Technician (see page 23)

Business Management & Administration, Finance

Internet & Computing Core Certifications

Certiport Inc. <http://www.certiport.com>

The Internet and Computing Core Certification (IC3) program is a global, validated, standards-based training and certification program for basic computing and Internet literacy. It provides specific guidelines for the knowledge and skills required for basic use of computer hardware, software, networks, and the Internet.

The certification training and final award requires the successful completion of three online tests:

Internet & Computing Core - Computing Fundamentals IC3-CF

Internet & Computing Core - Key Applications IC3-KA

Internet & Computing Core - Living Online IC3-LO

Program(s): Bus-Adm. Information Support	52.0407
Business	52.0000

Microsoft Certifications

Certiport and Microsoft <http://www.certiport.com> and <http://www.microsoft.com/learning/>

Microsoft Office Specialist is the official Microsoft Office certification for desktop productivity. To support the release of the 2007 Microsoft Office system, the Microsoft Certified Application Specialist (MCAS) Series will be introduced, up-dating the skill assessment for Word, Excel, PowerPoint, Access, and Outlook; and adding a Windows Vista option. Certifications earned recently are listed below:

Microsoft Office Specialist-Excel MOS-Exc

Program(s): Bus-Financial Support Occ.	52.0305
Bus-Management	52.0101
Business	52.0000

Microsoft Office Specialist-PowerPoint MOS-PP

Program(s): Bus-Management	52.0101
Business	52.0000

Microsoft Office Specialist-Word MOS-W

Program(s): Bus-Adm. Information Support	52.0407
Bus-Management	52.0101
Business	52.0000

National Retail Foundation Certifications

National Retail Foundation

<http://www.nrf.com/content/default.asp?folder=foundation&file=indCert.htm>

Customer Service Certificate CSC

The Customer Service Certification is based on the national skill standards for Customer Service. It assesses essential customer service knowledge and skills that enhance interaction with customers to provide information in response to inquiries about products and services as well as ability to handle and resolve customer complaints.

Professional Service Certificate PSC

The Professional Service Certification is based on the national skill standards for Customer Service and is more advanced than the CSC which is a prerequisite.

Program(s): Bus-Adm. Information Support	52.0407
Business	52.0000

Other Certifications

First Aid/CPR/AED ARC-FA/CPR/AED American Red Cross

<https://www.instructorscorner.org/RedCross/Index.aspx>

Program(s): Business Management.	52.0101
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Link & Learn Taxes LLT <http://www.irs.gov/Individuals/Link-&Learn-Taxes>

Web-based program providing nine courses: Basic, Intermediate, Advanced along with a refresher course for returning volunteers. This training prepares SPEC partners and volunteers to provide quality tax return preparation services in their local communities.

Program(s): Bus-Financial Support Occ.	52.0305
Business	52.0000
Bus-Management	52.0101

MoneySKILL MS American Financial Services Education Foundation www.moneyskill.org

Financial Literacy online modules for high school students.

Program(s): Bus-Financial Support Occ.	52.0305
Business	52.0000

Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Bus-Adm. Information Support	52.0407
Bus-Financial Support Occ.	52.0305
Bus-Management	52.0101
Business	52.0000

WOW Certifications <http://webprofessionals.org/certification/> (see page 8)

Education & Training

American Red Cross Certifications

American Red Cross <https://www.instructorscorner.org/RedCross/Index.aspx>

Community First Aid and Safety **ARC-CFA**

CPR-Child, Infant and Adult **ARC-CPR-CIA**

Program(s): Early Childhood Education	13.1210
Child Care Human Services	13.1209

Vermont Child Care Apprenticeship Credentials

Vermont Child Care Industry and Careers Council <http://www.vtchildcareindustry.org>

The Vermont Child Care Industry and Careers Council has developed several scenario assessments that support CDA standards.

VT Child Care ICC - 3 Level 1 Assessments **VCCICC-L1**

Conversation, Dramatic Play, Hand Washing

VT Child Care ICC - 3 Level 2 Assessments **VCCICC-L2**

Mid Day and End of Day Transitions, Nap Time

VT Child Care ICC - 3 Level 3 Assessments **VCCICC-L3**

Meeting Time, Sharing Concerns

Program(s): Early Childhood Education	13.1210
Child Care Human Services	13.1209

Health Science

American Heart Association Certifications

<http://www.americanheart.org/presenter.jhtml?identifier=3040460>

The American Heart Association offers a comprehensive portfolio of both credentialed courses and awareness programs to train middle and high school students. With options for adult, child, and infant CPR, relief of choking, and use of an AED (Automated External Defibrillator), the AHA has a training solution to meet every school's need.

Health Care Provider CPR AHA-HCP-CPR

Heartsaver Automated External Defibrillator AHA-HSAED

Heartsaver CPR AHA-HSCPR

Heartsaver First Aid AHA-FA

Program(s): Health Careers	51.1102
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American Red Cross Certifications

<https://www.instructorscorner.org/RedCross/Index.aspx>

Blood Borne Pathogens ARC-BBP

Program(s): Health Careers	51.1102
Health Information Management	51.0716

Community First Aid and Safety ARC-CFA

Program(s): Health Careers	51.1102
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CPR/AED for Professional Rescuer ARC-CPR/AED-PR

Program(s): Dental Assisting	51.0601
Health Careers	51.1102

CPR-Child, Infant and Adult ARC-CPR-CIA

Program(s): Health Careers	51.1102
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First Aid/CPR/AED ARC-FA/CPR/AED

Program(s): Health Careers	51.1102
Health Information Management	51.0716
Ophthalmic Medical Assistant	51.1802

First Aid: Responding to Emergencies ARC-FARE

Program(s): Health Careers	51.1102
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National Registry of Emergency Medical Technicians

National Registry of Emergency Medical Technicians <http://www.nremt.org/>

First Responder EMT EMT-FR

The computer based cognitive examinations consists of items from six major categories: Airway & Breathing, Cardiology, Medical, Trauma, OB/Gyn/Peds, and Operations. The number of items from each category is determined by an examination test plan (also known as a blueprint) which has been approved by the NREMT Board of Directors.

Program(s): Health Careers	51.1102
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EMT-Basic EMT-B

Covers same material as First Responder but more in-depth. Student must be approaching 18 years old to take exam and must be 18 to have the credential.

Program(s): Health Careers 51.1102

Other Certifications

Certified Ophthalmic Assistant COA Joint Commission on Allied Health Personnel

JCAHPO's initial core level of certification

Program(s): Ophthalmic Medical Assistant	51.1802
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Dental Radiology D-RAD

American Dental Association <http://www.ada.org>

Upon completion of an accredited course, students receive certification by the American Dental Association in Dental Radiology.

Program(s): Dental Apprenticeship Yr 2	51.0699
Dental Assisting	51.0601

Licensed Nurse Assistant LNA State of Vermont Office of Professional Regulation

<http://www.vtprofessionals.org/opr1/nurses/>

Students must attend a State approved LNA program and apply for licensure upon successful completion.

Program(s): Health Careers	51.1102
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Dental Assisting National Board Inc. <http://www.danb.org/exams/examinfo.asp>

Program(s): Dental Apprenticeship Yr 2	51.0699
Dental Assisting	51.0601

Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Health Careers	51.1102
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Hospitality & Tourism

National Retail Foundation Certifications

National Retail Foundation

<http://www.nrf.com/content/default.asp?folder=foundation&file=indCert.htm>

Customer Service Certificate **CSC**

The Customer Service Certification is based on the national skill standards for Customer Service. It assesses essential customer service knowledge and skills that enhance interaction with customers to provide information in response to inquiries about products and services as well as ability to handle and resolve customer complaints.

Professional Service Certificate **PSC**

The Professional Service Certification is based on the national skill standards for Customer Service and is more advanced than the CSC which is a prerequisite.

Program(s): Travel and Tourism	52.0903
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National Restaurant Association Education Foundation

<http://www.nraef.org/> and www.managefirst.restaurant.org/faq/

ManageFirst Customer Service **MF-CS**

Customer Service

ManageFirst Food Production **MF-FP**

Food Production

ManageFirst Inventory and Purchasing **MF-IP**

Inventory and Purchasing

ProStart **PS** <http://www.nraef.org/prostart/>

Students who successfully complete the Restaurant, Food and Beverage Services program and are accredited by the Hospitality Business Alliance in partnership with the National Restaurant Association can receive a ProStart Certificate. The program includes 360 hours of formal instruction and 400 hours of workbased learning.

ServSafe Level 1 Certificate **ServSafe-L1**

ServeSafe is a national certification for food handlers. Level I is a basic 8 hour program

ServSafe Level 2 Certificate **ServSafe-L2**

Level II requires 45-60 hours and a national exam. Some college articulation agreements include awarding 2-3 college credits for the Level II credential.

Program(s): Culinary Arts	12.0500
Culinary Management	12.0504

Other Certifications

American Hotel & Lodging Educational Institute Certifications

<http://www.ahlei.org/content.aspx?id=140>

Program(s): Travel & Tourism	52.0903
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Occupational Safety and Health Administration 10-hr **OSHA-10** **Occupational Safety and**

Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Culinary Arts	12.0500
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Secondary Culinary Graduate/Certified Junior Culinarian **SCG-ACF**

American Culinary Federation Education Foundation (ACF)

http://www.acfchefs.org/download/documents/Accreditation/cjc_graduate.pdf

The ACFEFAC certifies programs defined as those awarding certificates and diplomas in the culinary arts and baking and pastry arts. Student exam for CJC is administered by NOCTI.

Program(s): Culinary Arts	12.0500
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Human Services

American Red Cross Certifications

<https://www.instructorscorner.org/RedCross/Index.aspx>

Community First Aid and Safety **ARC-CFA**

CPR-Child, Infant and Adult **ARC-CPR-CIA**

First Aid for Youth **ARC-FAY**

First Aid/CPR/AED **ARC-FA/CPR/AED**

Program(s): Child Care Human Services	19.0709
Human Services	19.0707

Pivot Point Certifications

Pivot Point International Education http://www.pivot-point.com/prod_salonfundamentals.asp

Pivot Point International Education offers technical and practical knowledge to succeed and gain licensure. The program offers instruction to effectively and professionally interact with clients and build a client base. There is a Student Benefit Package which includes a \$1000 scholarship for additional courses. Modules include:

Color Design **PP2-CD**

Hair Design **PP1-HD**

Ladies Sculpture **PP1-LS**

Long Hair Design **PP1-LHD**

Mens Sculpture **PP2-MS**

Perm Design **PP2-PD**

Program(s): Cosmetology	12.0401
Salon Management	12.0412

State of Vermont Office of Professional Regulation

<http://www.vtprofessionals.org/opr1/cosmetologists/>

Esthetician **Est**

Once the student has satisfactorily completed the mandated 600 hours, and has successfully passed the practical and theory exams, they are eligible to be examined (Prometric). Licenses are issued to Students that pass the examination with a 75 or better, in all three categories, Theory, Practical, and State Law.

Licensed Cosmetologist **LC**

To be eligible for a cosmetologist license, the applicant must:

- be at least 18 years of age;
- have a high school diploma or general educational development diploma (GED);
- provide documentation of 1,500 hours of professional training or 24 months apprenticeship.

Program(s): Cosmetology	12.0401
Salon Management	12.0412

Vermont Child Care Apprenticeship Credentials

Vermont Child Care Industry and Careers Council <http://www.vtchildcareindustry.org>

The Vermont Child Care Industry and Careers Council has developed several scenario assessments that support CDA standards.

VT Child Care ICC - 3 Level 1 Assessments **VCCICC-L1**

Conversation, Dramatic Play, Hand Washing

VT Child Care ICC - 3 Level 2 Assessments **VCCICC-L2**

Mid Day and End of Day Transitions, Nap Time

VT Child Care ICC - 3 Level 3 Assessments **VCCICC-L3**

Meeting Time, Sharing Concerns

Program(s): Child Care Human Services	19.0709
Human Services	19.0707

Other Certifications

Heartsaver CPR **AHA-HSCPR**

American Heart Association

<http://www.americanheart.org/presenter.jhtml?identifier=3040460>

The American Heart Association offers a comprehensive portfolio of both credentialed courses and awareness programs to train middle and high school students. Fulfills requirement of CPR for personnel working in licensed child care centers.

Program(s): Child Care Human Services	19.0709
Human Services	19.0707

Occupational Safety and Health Administration 10-hr **OSHA-10** **Occupational Safety and Health Administration**

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Cosmetology	12.0401
Human Services	19.0707

OPI Nail Certification **OPI** **OPI International** <http://www.opi.com/Career-Splash.asp>

As a Professional Nail Technician, you will be qualified to perform a range of hand and foot care services, including basic and high-level spa manicure and pedicures using natural and artificial nail enhancement techniques. Licensing varies by state, but most Nail Technology programs can be completed in 3 to 6 months, part time or full time.

Program(s): Cosmetology	12.0401
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Salon Management	12.0412
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Information Technology

Cisco

Cisco Systems Inc. <http://www.cisco.com/web/learning/>

Cisco Certified Entry Networking Technician CCENT

(CCENT™) validates the ability to install, operate and troubleshoot a small enterprise branch network, including basic network security. With a CCENT, network professional demonstrates the skills required for entry-level network support positions - the starting point for many successful careers in networking. The curriculum covers networking fundamentals, WAN technologies, basic security and wireless concepts, routing and switching fundamentals, and configuring simple networks. CCENT is the first step toward achieving CCNA, which covers medium size enterprise branch networks with more complex connections.

Program(s): Computer Network Mgmt	11.0901
Networking Year 2	11.1002
Web/Multimedia Management	11.1004

*Note: Cisco also offers **IT Essentials**, a curriculum that prepares students for the A+ exam (see below). It is not a credential.*

CompTIA, Computer Technology Industry Association Certifications

Computer Technology Industry Association <http://www.comptia.org/>

CompTIA certifications are credentials achieved through a testing process, to validate knowledge within a specific IT support function. All CompTIA exams are developed by subject matter experts, and the certifications are recognized throughout the industry as the standard for proving foundation-level skill sets.

CompTIA A+ A+

For entry-level IT technicians, the CompTIA A+ exam covers preventative maintenance, basic networking, installation, troubleshooting, communication and professionalism.

Program(s): Computer Network Mgmt.	11.0901
Networking Year 2	11.1002
Web/Multimedia Management	11.1004

CompTIA Linux+ Linux+

For experienced Linux professionals, the CompTIA Linux+ exam covers user administration, file permissions, software configurations and the fundamental management of Linux systems.

Program(s): Computer Network Mgmt.	11.0901
Computer Programming	11.0201
Networking Year 2	11.1002
Web/Multimedia Management	11.1004

CompTIA Network+ N+

For networking professionals, the CompTIA Network+ exam covers managing, maintaining, troubleshooting, operating and configuring basic network infrastructure.

Program(s): Computer Network Mgmt.	11.0901
Computer Programming	11.0201

Networking Year 2	11.1002
Web/Multimedia Management	11.1004

CompTIA Strata + Strata

http://certification.comptia.org/getCertified/certifications/strata_it_fundamentals.aspx

IT Fundamentals appropriate for high school students

Program(s): Computer Network Mgmt.	11.0901
Networking Year 2	11.1002
Web/Multimedia Management	11.1004

Internet & Computing Core Certifications

Certiport <http://www.certiport.com>

The Internet and Computing Core Certification (IC³®) provides students and job-seekers with the foundation of knowledge they need to succeed in environments that require the use of computers and the Internet.

Internet & Computing Core - Computing Fundamentals IC3-CF

Hardware, software, operating system

Internet & Computing Core - Key Applications IC3-KA

Common program functions: word processing, spreadsheet, presentation software

Internet & Computing Core - Living Online IC3-LO

Networks and the internet, electronic mail, using the internet, the impact of computing and the internet on society

Program(s): Computer Network Mgmt.	11.0901
Computer Programming	11.0201
Networking Year 2	11.1002
Web/Multimedia Management	11.1004

WOW, Worldwide Organization of Webmasters

Worldwide Organization of Webmasters <http://webprofessionals.org/certification/>

Web Administrator Apprentice WOW-A

Certified Web Administrator Apprentice: Web Administrator Apprentices are aware of the fundamental concepts for the hardware and software infrastructure supporting Internet communications. The CWAA-apprentice possesses a basic understanding of servers, routers, security, network management, and systems maintenance.

Web Designer Apprentice WOW-DA

Certified Web Designer Apprentice: Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.

Web Designer Associate WOW-As

Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.

Web Developer Apprentice WOW-Dv

Certified Web Developer Apprentice: Web Developer Apprentices are familiar with the fundamentals of creating web site structure and interactivity. They are learning to use database tools and custom applications to prepare sites for dynamic presentation of content to the visitor.

Webmaster Apprentice WOW-M

Certified Apprentice Webmaster: WOW Certified Webmaster apprentices understand the basic breadth of topics that fall under Webmastering. Apprentice Webmasters know about the majority of subjects within the Associate Webmaster criteria, but with less depth into the individual topics.

Program(s): Computer Network Mgmt.	11.0901
Computer Programming	11.0201
Networking Year 2	11.1002
Web/Multimedia Management	11.1004

Law, Public Safety & Security

American Red Cross Certifications:

Various levels of certifications and assessments are available for this cluster including:

Blood Borne Pathogens **ARC-BBP**

CPR/AED for Professional Rescuer **ARC-CPR/AED-PR**

CPR-Child, Infant and Adult **ARC-CPR-CIA**

Emergency Response **ARC-ER**

First Aid/CPR/AED **ARC-FA/CPR/AED**

Preventing Disease Transmission **ARC-PDT**

Program(s): Emergency & Fire Mgmt.	43.0203
Law Enforcement	43.0107

FEMA & Emergency Management Institute

<http://training.fema.gov/IS/crslist.asp> & <http://training.fema.gov/EMIWeb/IS/>

The Emergency Management Institute (EMI) offers self-paced courses designed for people who have emergency management responsibilities and the general public. All are offered free-of-charge to those who qualify for enrollment. Assessments are required for all courses and can be completed on-line or submitted through the mail. Some of the offerings include:

Introduction to Incident Command System (ICS) **EMI100**

ICS for Law Enforcement (IS100, LE) **EMI100LE**

Decision Making and Problem Solving **EMI1241**

Effective Communication **EMI1242**

Radiological Emergency Management **EMI13**

Introduction to Haz-Mat (IS-5.A) **EMI15A**

ICS for Single Resources and Initial Action Incidents **EMI200b**

Radiological Emergency Response (IS-301) **EMI301**

Hazardous Material Prevention (IS-304) **EMI304**

Multi-hazard Emergency Planning for Schools **EMI362**

National Incident Management System (NIMS) Intro. **EMI700**

US Homeland Security: Weapons of Mass Destruction **EMIWMD**

Program(s): Emergency & Fire Mgmt.	43.0203
Law Enforcement	43.0107

National Registry of Emergency Medical Technicians

National Registry of Emergency Medical Technicians

<http://www.nremt.org/>

First Responder EMT **EMT-FR**

The computer based cognitive examinations consists of items from six major categories: Airway & Breathing, Cardiology, Medical, Trauma, OB/Gyn/Peds, and Operations. The number of items from each category is determined by an examination test plan (also known as a blueprint) which has been approved by the NREMT Board of Directors.

Program(s): Emergency & Fire Mgmt.	43.0203
Law Enforcement	43.0107

EMT-Basic EMT-B

Covers same material as First Responder but more in-depth. Student must be approaching 18 years old to take exam and must be 18 to have the credential.

Program(s): Emergency & Fire Mgmt.	43.0203
Law Enforcement	43.0107

Vermont Fire Service Training Council

<http://www.dps.state.vt.us/fire/vfstc/>

Firefighter 1 FF1

The Vermont Fire Service Training Council endorsed Firefighter 1 course duration is based on meeting or exceeding the required competencies as specified by the current editions of the National Fire Protection Association standards 1000 and 472. The Firefighter 1 course of instruction is estimated not to exceed 144 hours.

Module completion shall be granted upon successfully accomplishing an instructor administered written quiz and demonstration of commensurate practical performance application skills. Candidates for certification examination shall have completed all modules to achieve eligibility. The certification exams shall be typically scheduled approximately 2 week after VFA receives all completed course coordination documentation. The certification exam consists of a 100-question written test and a 5-station individual job skill practical evaluation. The planned time for the certification exam, with a candidate size of 24 is approximately 6 hours.

Program(s): Emergency & Fire Mgmt.	43.0203
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Hazardous Materials Awareness HAZMAT-A

The Vermont Fire Service Training Council offers an 8 hour Hazardous Materials course – an understanding of hazardous substances and the risks associated with them in an emergency. This course with a written assessment is part of the Firefighter I curriculum.

Program(s): Emergency & Fire Mgmt.	43.0203
Law Enforcement	43.0107

Hazardous Materials Operations HAZMAT-O

The Vermont Fire Service Training Council offers a Hazardous Materials course for personnel who respond to releases or potential releases of hazardous materials.

Program(s): Emergency & Fire Mgmt.	43.0203
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Wildlands Fire Training Wild

This course is part of the Firefighter I curriculum

Program(s): Emergency & Fire Mgmt.	43.0203
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Other Certifications

Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Emergency & Fire Mgmt.

43.0203

Manufacturing

American Welding Society Certificates

American Welding Society <http://www.aws.org>

Other certificates not listed below include: Pipe & Stick

American Welding Society-Gas AWS-G

American Welding Society -QC-10 AWS-QC

American Welding Society -Structural Steel AWS-SS

American Welding Society -TIG AWS-TIG

Program(s): Industrial Maintenance	47.0105
Welding/Metal Fabrication	48.0508

Manufacturing Building Linkages

Local Workforce Investment Board [no website](#)

The Manufacturing Building Linkages assessments were piloted in Bennington County in 2000.

Assessments include:

Manufacturing Building Linkages-Design for Production MBLS -DP

Manufacturing Building Linkages-Est. Cust. Needs MBLS-ECN

Manufacturing Building Linkages-Manufacturability MBLS-M

Manufacturing Building Linkages-Process Opt. MBLS-PO

Program(s): Precision Machining Technology	48.0503
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Other Certifications

Certified Fiber Optic Technician CFOT **Fiber Optic Association**

<http://www.thefoa.org/cfot.htm>

The Fiber Optic Association (FOA) was founded to approve schools offering training and offer technician certifications as a service to the fiber optic industry. The basic level, CFOT, tests for the applicant's level of knowledge of fiber optics in a broad-based exam that covers technology, components, installation and testing.

Program(s): Electrical Engineering Tech.	15.0303
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Certified SolidWorks Associate CSWA **Dessault Systemes SolidWorks Corp.**

www.solidworks.com/cswa

3-D Mechanical CAD exam is an on-line written exam that is timed to be a three-hour assessment. Students must earn a minimum of 70% for certification.

Program(s): Precision Machining Technology	48.0503
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Mobile Electronics Certified Professional <http://www.mecp.com/home.asp>

S/P2 Mechanical Repair Safety S/P2-MR **Coordinating Committee for Automotive**

Repair <http://www.sp2.org> & <http://www.ccar-greenlink.org/CCAR/>

Program(s): Industrial Mechanics	47.0303
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Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Electrical Engineering Tech.	15.0303
Industrial Maintenance	47.0105
Industrial Mechanics	47.0303
Precision Machining Technology	48.0503

National Institute for Metalworking Skills <https://www.nims-skills.org/web/nims/3>

Marketing, Sales & Service

(See also Business cluster certifications, page 10-11)

National Retail Foundation Certifications

National Retail Foundation

<http://www.nrf.com/content/default.asp?folder=foundation&file=indCert.htm>

Customer Service Certificate **CSC**

The Customer Service Certification is based on the national skill standards for Customer Service. It assesses essential customer service knowledge and skills that enhance interaction with customers to provide information in response to inquiries about products and services as well as ability to handle and resolve customer complaints.

Professional Service Certificate **PSC**

The Professional Service Certification is based on the national skill standards for Customer Service and is more advanced than the CSC which is a prerequisite.

Program(s): Marketing	52.1401
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Science, Technology, Engineering & Math

CompTIA, Computer Technology Industry Association Certifications

Computer Technology Industry Association <http://www.comptia.org/>

CompTIA certifications are credentials achieved through a testing process, to validate knowledge within a specific IT support function. All CompTIA exams are developed by subject matter experts, and the certifications are recognized throughout the industry as the standard for proving foundation-level skill sets. In addition to A+, CompTIA offers other IT related certifications.

CompTIA A+ A+

For entry-level IT technicians, the CompTIA A+ exam covers preventative maintenance, basic networking, installation, troubleshooting, communication and professionalism.

Program(s): Engineering Technician	15.0000
Engineering Yr 2	14.0101

Manufacturing Building Linkages

Local Workforce Investment Board [no website](#)

The Manufacturing Building Linkages assessments were piloted in Bennington County in 2000. In addition to the MBLs-DP below, other assessments include: Establishing Customer Needs, Manufacturability and Process Optimization

Manufacturing Building Linkages-Design for Production MBLs-DP

Program(s): Engineering Technician	15.0000
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Other Certifications

AutoCAD AutoCAD Autodesk

http://images.autodesk.com/adsk/files/autocad_2009_exam_guide_49v2.pdf

AutoCAD certification measures students' ability to design in two dimensions using AutoCAD.

Program(s): Engineering Yr 2	14.0101
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Certified SolidWorks Associate CSWA Dessault Systemes SolidWorks Corp.

www.solidworks.com/cswa

3-D Mechanical CAD exam is an on-line written exam that is timed to be a three-hour assessment. Students must earn a minimum of 70% for certification.

Program(s): Engineering Technician	15.0000
Engineering Yr 2	14.0101

Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Engineering Technician	15.0000
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Transportation, Distribution & Logistics

ASE, Automotive Service Excellence (formerly NATEF)

<http://www.asestudentcertification.com/>

Automotive:

- **ASE Certification Brakes ASE-B**
- **ASE Certification Suspension & Steering ASE-SS**
- **ASE Certification Electrical/Electronic Systems ASE-E**
- **ASE Certification Engine Performance ASE-EP**

Program(s): Automotive Technology	47.0604
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Medium/Heavy Truck:

- **ASE Certification Diesel Engines ASE-D**
- **ASE Certification Brakes ASE-TB**
- **ASE Certification Suspension & Steering ASE-TSS**
- **ASE Certification Electrical/Electronic Systems ASE-TE**
- **ASE Certification Engine Performance ASE-TEP**

Program(s): Diesel/Truck Mechanic	47.0605
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S/P2, Coordinating Committee for Automotive Repair

<http://www.sp2.org> & <http://www.ccar-greenlink.org/CCAR/>

The S/P2 Training courses cover Safety and Pollution Prevention (SP2) issues that are important to everybody in an automotive operation. The law states that companies are responsible for not only maintaining compliance at the shop, but also for making sure all employees are trained in the hazards they face at the shop before working in a shop. Courses are offered for Auto Body, Mechanical and Supervisors each in Safety and/or Pollution Prevention.

S/P2 Collision Repair Safety S/P2-CR

Program(s): Auto Body Repair	47.0603
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S/P2 Mechanical Repair Safety S/P2-MR

Program(s): Automotive Technology	47.0604
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S/P2 Supervisors Safety S/P2-S

Program(s): Automotive Technology	47.0604
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Vermont Department of Motor Vehicles

Commercial Drivers License CDL <http://dmv.vermont.gov/licenses/commercial/cdl>

The CDL license is required for driving certain kinds of commercial vehicles. Skill and vision testing is a required part of the process to gain this license.

Program(s): Diesel/Truck Mechanic	47.0605
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Vermont State Inspection Cert. VSIC <http://www.aot.state.vt.us/dmv/>

Students can gain certification for administering VT State inspection services by successfully completing an examination based on the official State Inspection Manual for each type of vehicle to be inspected.

Program(s): Automotive Apprenticeship Yr 2	47.0612
Automotive Technology	47.0604

Other Certifications

Dupont Automotive Finishes DR Dupont Automotive and I-Car

<http://www.collision-insight.com/news/20010719-dupont.htm>

Two DuPont Automotive Finishes Certification courses have been recognized by I-CAR® as part of the I-CAR® Industry Training Alliance Program. DuPont ChromaSystem® Certification and Color Adjustment/Tri-Coat Repair Certification courses offer a total of seven I-CAR Gold Class Points to refinish technicians who successfully complete both programs. These points apply to both the Gold Class Professionals® and Platinum Individual programs. DuPont developed the courses based on strict original equipment manufacturer performance requirements for refinishing. Participants are expected to satisfactorily perform a repair and successfully complete a written knowledge assessment as part of this program.

Program(s): Auto Body Repair	47.0603
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ASE Maintenance and Inspection E-Learning Program ASE-MI National Institute for Automotive Service Excellence

<https://www.ase.com/Home.aspx>

Service procedures, fluids, filters, belts and hoses inspection service; suspension, tire, and brake inspection and service; body, battery, charging, and electrical systems inspection and service

Program(s): Automotive Apprenticeship Yr 2	47.0612
Automotive Technology	47.0604

American Welding Society -TIG AWS-TIG American Welding Society

<http://www.aws.org> or www.skilltech.org for CTE, Essex

12 week, 48 hour course on GTAW TIG welding

Program(s): Automotive Apprenticeship Yr 2	47.061
Automotive Technology	47.0604

Certified Lube Technician AOCA-CLT American Oil Change Association

Customer service, safety, products and services, roles and responsibilities of the hood technician, courtesy technician and greeter/service writer.

Program(s): Automotive Apprenticeship Yr 2	47.0612
Automotive Technology	47.0604

FAA General Assessment FAA-GA Federal Aviation Administration

http://www.faa.gov/training_testing/testing/airmen/test_standards/media/FAA-S-8081-26.pdf

Program(s): Aviation Technology	47.0607
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General Service Technician GST

Vermont Automobile Dealers Association <http://www.vermontada.org/>

Vermont Automobile Dealers Association (VADA) with the Vermont Agency of Education developed a certification process for students enrolled in the General Services Technician Automotive program. Using scenario and written assessments which measure student knowledge and skills, the certificate provides entry level employability and postsecondary dual enrollment credits. The written assessments are designed in similar format to the ASE certification, providing a foundational experience for students to advance towards those certifications that require 2 years work experience or 1 year work experience plus postsecondary technical training (AS degree).

Program(s): Automotive Apprenticeship Yr 2	47.0612
Automotive Technology	47.0604

Occupational Safety and Health Administration 10-hr OSHA-10 Occupational Safety and Health Administration

<http://www.aot.state.vt.us/civilrights/Documents/AGCCourseCatalogue.pdf>

<http://www.careersafeonline.com/>

<http://www.keene.edu/conted/osha.cfm>

<http://labor.vermont.gov/Default.aspx?tabid=87>

www.osha.gov/dte/index.html

10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Auto Body Repair	47.0603
Automotive Technology	47.0604
Aviation Technology	47.0607
Diesel/Truck Mechanic	47.0605

Tire Service Training & Certification TST&C Tire Industry Association

<http://www.tana.net>

TIA sets industry standards by offering certification programs, training programs and publications for tire professionals.

Program(s): Automotive Technology	47.0604
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10 Stud Hub & Stud Piloted Wheel-End Inst. Cert. WW 10 Hub Webb Wheel

<http://www.webbwheel.com/testyourself/installation.html>

Students watch 3 videos, ten-question exam

Program(s): Diesel/Truck Mechanic	47.0605
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Appendix - About Industry Recognized Credentials

Introduction

Career cluster/pathway **certifications** are instruments to assess, demonstrate and confirm the mastery of specific knowledge and skills. Certifications publicly recognize an individual's attainment of knowledge and skills necessary for occupations within a career cluster and pathway. Ideally, certifications provide independent verification of a student's expertise and industry endorsed achievement of appropriate levels of proficiency.

Professional associations have their own method for assessing and providing certifications. When an industry certification addresses a portion of the competencies of a program of study and appears to be a valid and reliable indicator of student skill and knowledge attainment, the VT Agency of Education will consider it for providing compliance of Perkins IV requirements¹.

How to Select an IRC

Appropriate selection of industry recognized certifications are an important step in the development of a program of study. Consideration should be given to:

- scope of the certification in regards to program standards
- the value of the certification within a career cluster and pathway,
- feasibility factors, and
- the assessment instruments for measuring attainment of knowledge and skills

Scope: The scope of an industry certification will vary depending on the provider and the field of certification as well as the assessment utilized within the certification process. Selection of a certification for a program of study should consider the depth and breadth of the certification in relation to the program and the aligned competencies/standards. The available instructional time and resulting benefit to the student and employer/postsecondary stakeholders will be factors to weigh in the selection. If one certification does not exist to appropriately measure a substantive portion of the program competencies, “packaging” of multiple smaller certifications into a broadly accepted industry valued certificate may be feasible.²

Value: Selection of a respected and valued certification sponsor with an appropriate geographic influence (regional, State, international) will add value to the process for students and employers. Prior to the selection of certifications, it is advisable to consult with local business and industry partners to determine which certifications would be most valued. Additionally, partnership with postsecondary partners may add significant value for those students wishing to pursue education beyond the high school level. Some certifications can be recognized for college credit, advanced standing and/or early admission considerations.

¹ Indicator VTS3 measures the percentage of concentrators who earn an industry recognized credential within the school year.

² Although several 10-Hour OSHA safety training credentials have been approved (Career Safe, Project Worksafe etc.), the scope of 10-hour OSHA safety training is limited and just barely meets state criteria.

Feasibility: Factors such as costs, membership criteria, instructor certification, assessment requirements and curriculum modifications will, in many cases, be crucial in the final selection of the certification.

Assessment Instruments: The assessment within the certification process is required of all Vermont Agency of Education industry certifications. The assessment of the attained knowledge and skills should be designed in a reliable and valid manner by a 3rd party professional organization and aligned with industry accepted standards.

Agency of Education approved industry recognized certificates are particularly credible and valuable when they have the following characteristics:

1. Designed by 3rd party professionals within the career field, ideally a potential employer group;
2. Substantial portion of academic, workplace and technical standards of the program of study are being assessed;
3. The assessment addresses both knowledge and skill, e.g., written and performance;
4. Publicly valued by career field and/or postsecondary institutions, registered apprenticeship, military, and/or employers. Certification holders should receive preference over non-certification holders.

The Approval Process

Once you have selected a credential, check to see if it has been approved. All IRCs in this document have been approved if they are listed under the cluster headings. Check the **Index** for page numbers appropriate to your program.

If you think an IRC listed in this document may be appropriate for your program but you do not see your program included in the listing, please have your database coordinator contact Suzanne.arrand@state.vt.us.

Any IRC not listed in this document must be approved by the State Director of Career & Technical Education. Answer all of the questions in Appendix B and email the completed form to Jay Ramsey, JayRamsey@state.vt.us.

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